

## RW disposal prospects in Lithuania

Saulius SLIAUPA  
Geological Survey of Lithuania



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### Ignalina NPP in NE of Lithuania

Two units operating since 1984 (each 1500 MW)  
The first one should be closed 01.01.2005  
The second reactor will be closed several years later

Deep geological repository opportunity studies conducted since 2003. Conclusions should be submitted to the Government in 2007 (what and if any potential available in terms of geology).

Near-surface repository is in short-term prospect.  
100 000 m<sup>3</sup> of condensed waste – low and medium level)



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### Ignalina NPP

Operation / Situation at the Plant

Unit 1 Thermal load  
4115.23 MWe  
Information at: 14.10.04 15:15:21  
Lake's temperature 12.31 °C

Unit 1 Electric load  
815.66 MWe

TG1 electric load  
815.66 MWe

TG1 frequency  
50.01 Hz

TG2 electric load  
715.86 MWe

TG2 frequency  
50.01 Hz

Unit 2 Thermal load  
0 MWe

Unit 2 Electric load  
0 MWe

TG3 electric load  
0 MWe

TG3 frequency  
0 Hz

TG4 electric load  
0 MWe

TG4 frequency  
0 Hz



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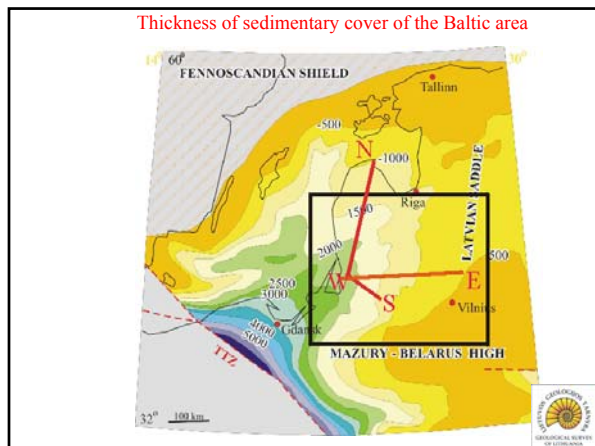
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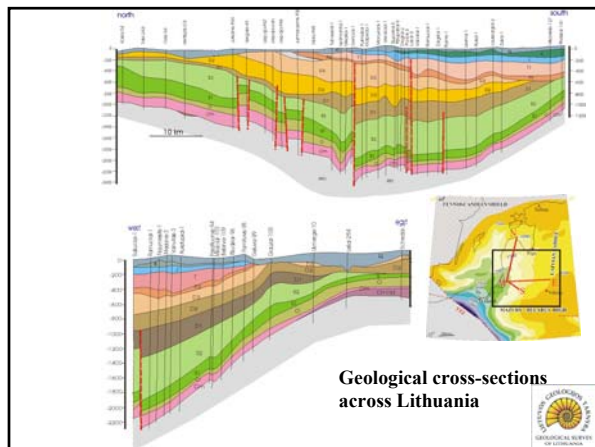
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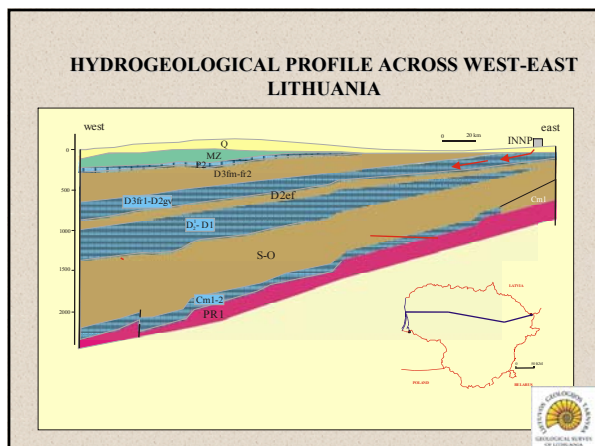
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### POTENTIAL CANDIDATES FORMATIONS:

*shales*

Lowermost Cambrian

Lower Silurian

Middle Devonian

Lower Triassic


*evaporites*

Zechstein salt

Zechstein anhydrite

*crystalline basement*

2003



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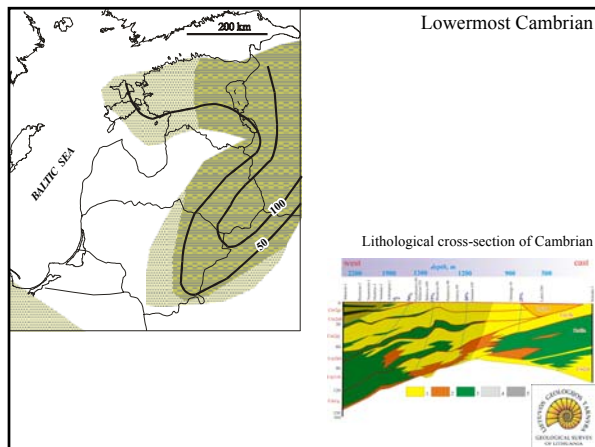
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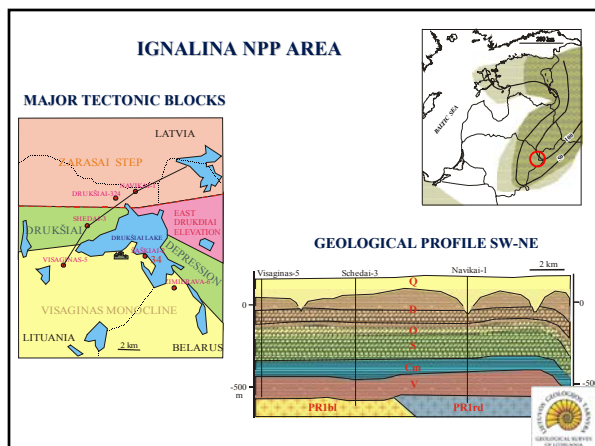
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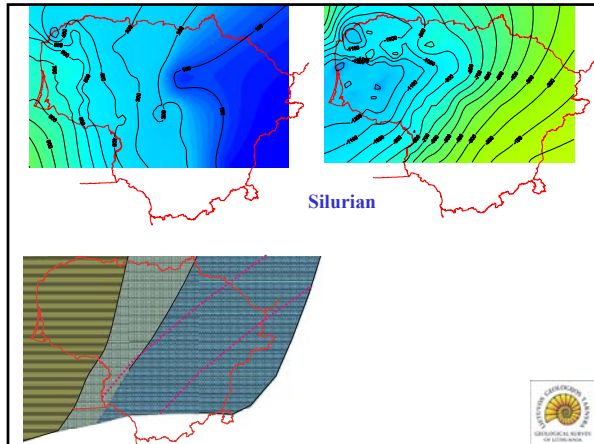
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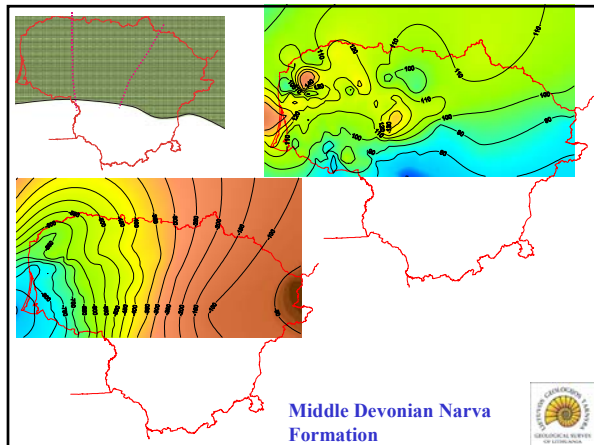
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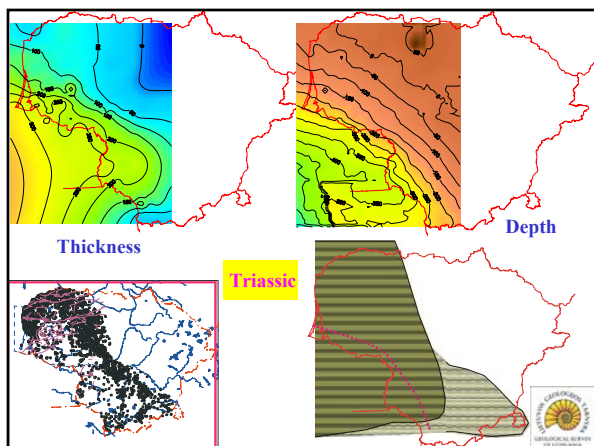
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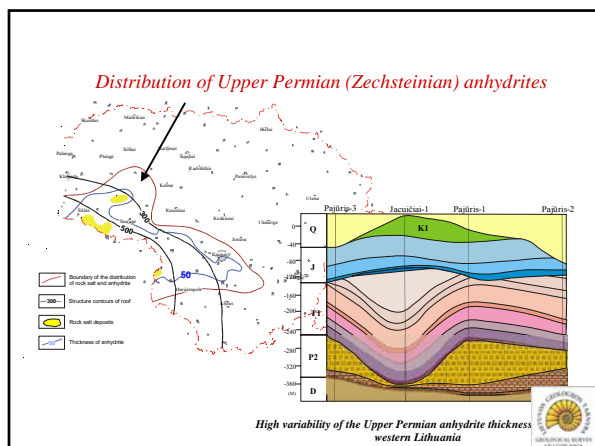
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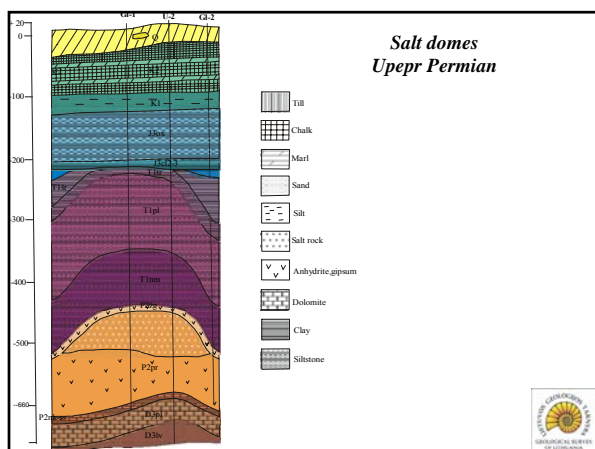
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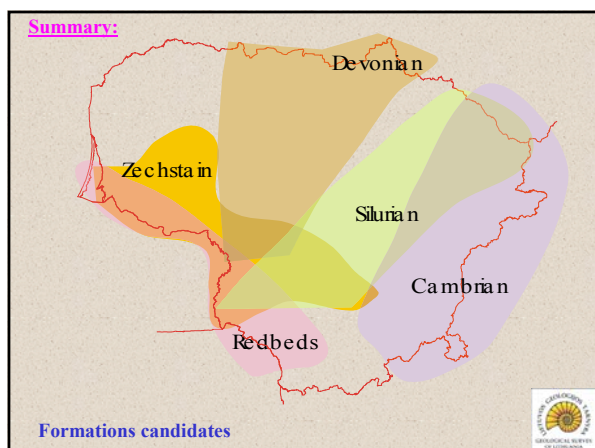
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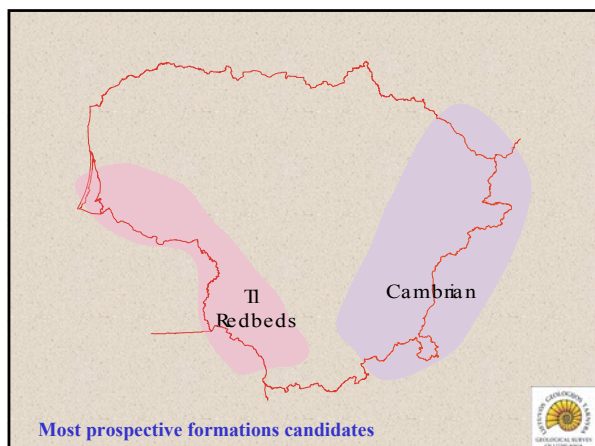
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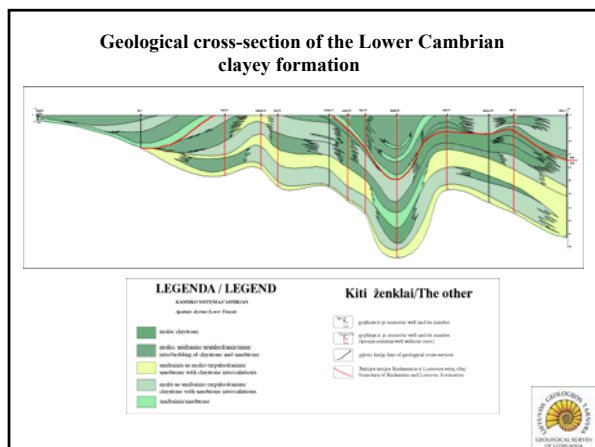
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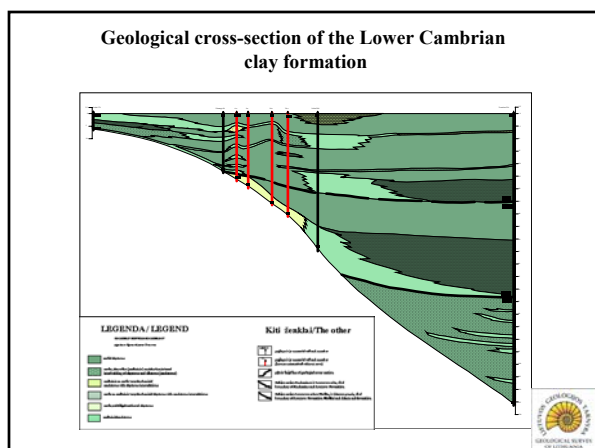
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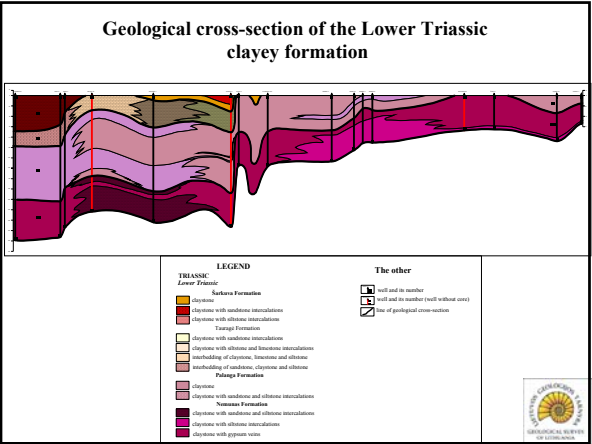
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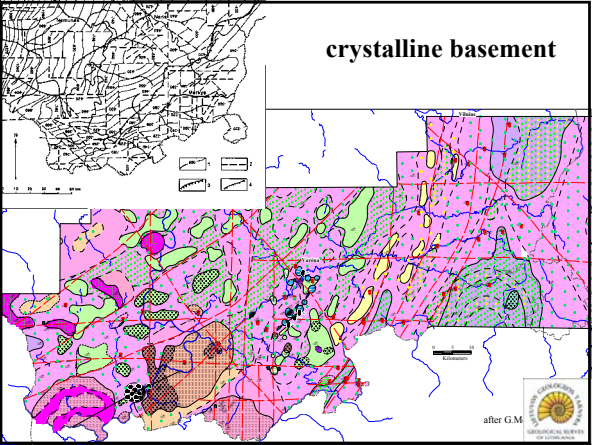
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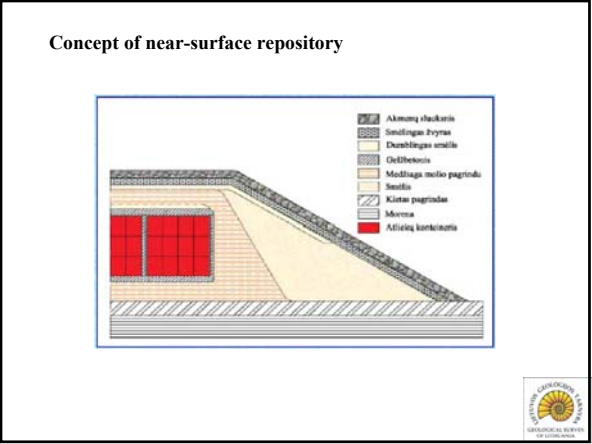
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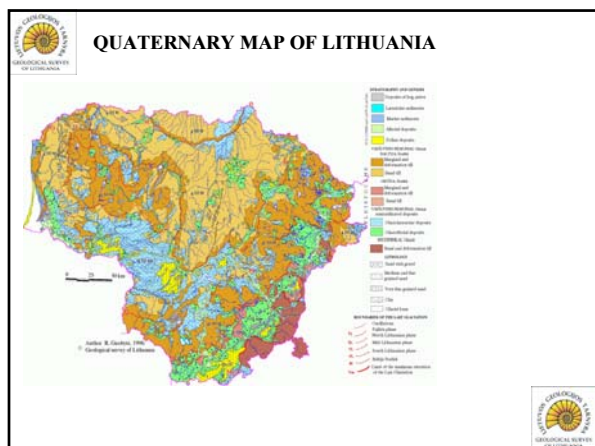
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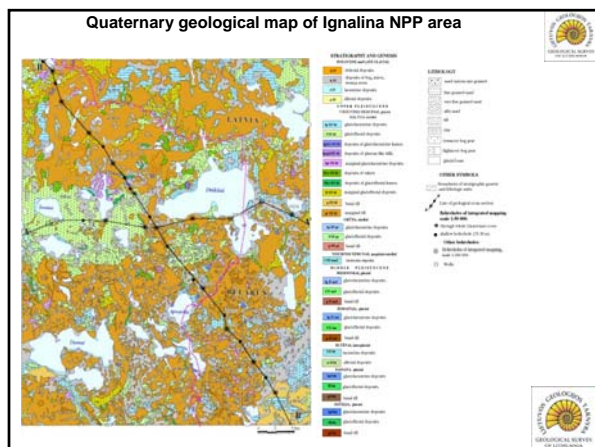
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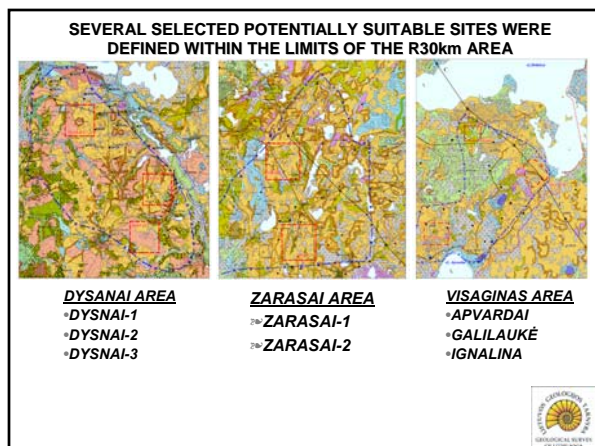
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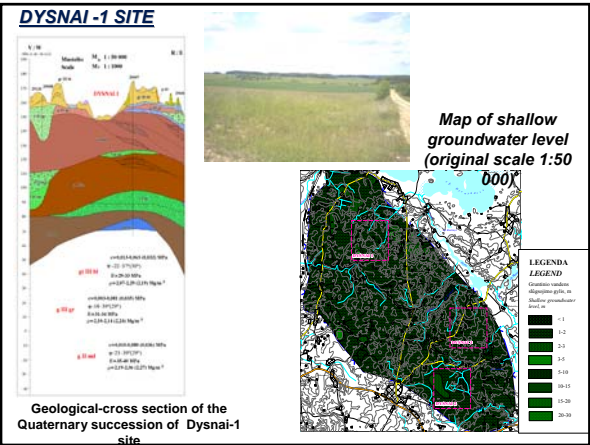
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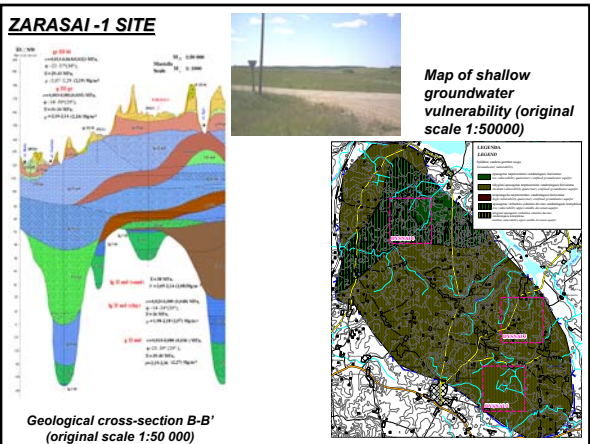
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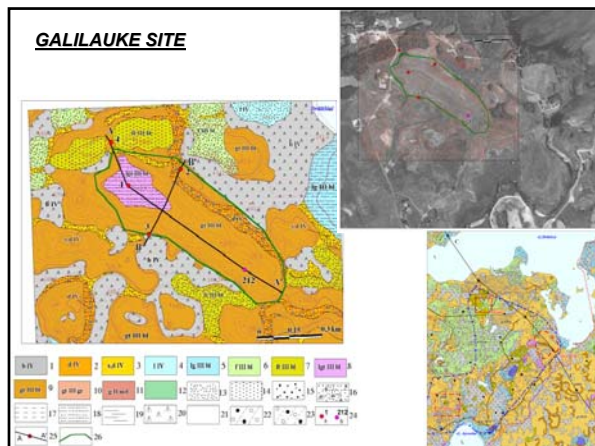
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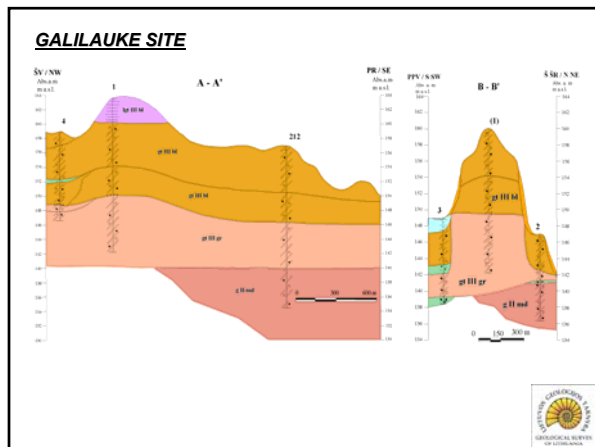
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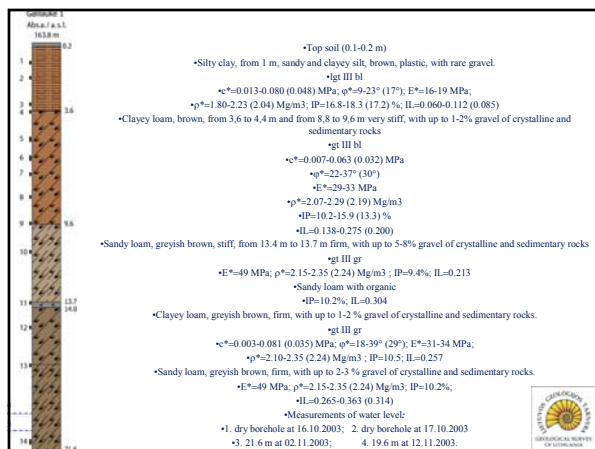
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